

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|---|-------|------------------|
| 1 | 1 | ("5034195").PN. | USPAT | 2004/03/31 15:39 |
| 2 | 46665 | polyolefin | USPAT | 2004/03/31 15:39 |
| 3 | 145330 | reactor | USPAT | 2004/03/31 15:39 |
| 4 | 330498 | loop | USPAT | 2004/03/31 15:39 |
| 5 | 8 | polyolefin with reactor with loop | USPAT | 2004/03/31 15:41 |
| 6 | 856633 | liquid | USPAT | 2004/03/31 15:41 |
| 7 | 61 | reactor with polyolefin with liquid | USPAT | 2004/03/31 15:41 |
| 8 | 682892 | gas | USPAT | 2004/03/31 15:41 |
| 9 | 12 | (reactor with polyolefin with liquid) with gas | USPAT | 2004/03/31 15:43 |
| 10 | 694485 | phase | USPAT | 2004/03/31 15:43 |
| 11 | 70809 | liquid adj phase | USPAT | 2004/03/31 15:43 |
| 12 | 137 | polyolefin with (liquid adj phase) | USPAT | 2004/03/31 15:43 |
| 13 | 38 | (polyolefin with (liquid adj phase)) with reactor | USPAT | 2004/03/31 15:47 |
| 14 | 1 | ("3324095").PN. | USPAT | 2004/03/31 15:48 |
| 15 | 34472 | gas adj phase | USPAT | 2004/03/31 15:48 |
| 16 | 7593 | (liquid adj phase) same (gas adj phase) | USPAT | 2004/03/31 15:48 |
| 17 | 100 | polyolefin same ((liquid adj phase) same (gas adj phase)) | USPAT | 2004/03/31 15:48 |
| 18 | 6165 | (liquid adj phase) with (gas adj phase) | USPAT | 2004/03/31 15:48 |
| 19 | 65 | polyolefin same ((liquid adj phase) with (gas adj phase)) | USPAT | 2004/03/31 15:48 |
| - | 1 | ("6245866").PN. | USPAT | 2004/03/31 15:39 |
| - | 2 | ((4194074) or ("5610244")).PN. | USPAT | 2003/11/03 14:41 |
| - | 0 | "0275675" | EPO | 2003/10/30 14:53 |
| - | 1 | "275675" | EPO | 2003/10/30 14:53 |
| - | 1 | "870773" | EPO | 2003/10/30 14:53 |
| - | 298374 | polyethylene | USPAT | 2003/10/30 15:12 |
| - | 95450 | preliminary | USPAT | 2003/11/03 15:47 |
| - | 33381 | gas adj phase | USPAT | 2003/10/30 15:03 |
| - | 69261 | liquid adj phase | USPAT | 2003/10/30 15:03 |
| - | 232740 | catalyst | USPAT | 2003/10/30 15:04 |
| - | 138 | polyethylene and preliminary and (gas adj phase) and (liquid adj phase) and catalyst | USPAT | 2003/10/30 15:04 |
| - | 166057 | waste | USPAT | 2003/10/30 15:04 |
| - | 24 | (polyethylene and preliminary and (gas adj phase) and (liquid adj phase) and catalyst) and waste | USPAT | 2003/10/30 15:04 |
| - | 1871 | polyethylene.ti. | USPAT | 2003/10/30 15:12 |
| - | 42 | polyethylene.ti. and (gas adj phase) and (liquid adj phase) and catalyst | USPAT | 2003/10/30 15:25 |
| - | 11 | ("3514501" "3622553" "4187278" "4291132" "4309521" "4336352" "4368291" "4368304" "4740550" "5326835" "5494965").PN. | USPAT | 2003/10/30 15:20 |
| - | 11 | 5684097.URPN. | USPAT | 2003/10/30 15:22 |
| - | 10 | ("4414132" "4415718" "4454306" "4525547" "4567155" "4871813" "4946816" "4977210" "5149738" "5166268").PN. | USPAT | 2003/10/30 15:23 |
| - | 6 | 5387749.URPN. | USPAT | 2003/10/30 15:23 |
| - | 5344 | catalyst with (gas adj phase) | USPAT | 2003/10/30 15:25 |
| - | 89 | polyethylene.ti. and (catalyst with (gas adj phase)) | USPAT | 2003/10/30 15:26 |
| - | 10 | ("4414132" "4415718" "4454306" "4525547" "4567155" "4871813" "4946816" "4977210" "5149738" "5166268").PN. | USPAT | 2003/10/30 15:30 |
| - | 0 | "0275675-EP" | EPO | 2003/11/03 14:09 |
| - | 3012 | prepolymerization prepolymerize prepolymerized | USPAT | 2003/11/03 15:37 |
| - | 33381 | gas adj phase | USPAT | 2003/11/03 14:42 |
| - | 159 | (prepolymerization prepolymerize prepolymerized) with (gas adj phase) | USPAT | 2003/11/03 14:42 |
| - | 232740 | catalyst | USPAT | 2003/11/03 15:38 |
| - | 124 | ((prepolymerization prepolymerize prepolymerized) with (gas adj phase)) same catalyst | USPAT | 2003/11/03 14:42 |
| - | 115976 | monomer | USPAT | 2003/11/03 15:38 |

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|---|---------|--|--------------|------------------|
| - | 88 | ((prepolymerization prepolymerize prepolymerized) with (gas adj phase)) same catalyst) and monomer | USPAT | 2003/11/03 14:43 |
| - | 298374 | polyethylene | USPAT | 2003/11/03 14:43 |
| - | 61 | ((((prepolymerization prepolymerize prepolymerized) with (gas adj phase)) same catalyst) and monomer) and polyethylene | USPAT | 2003/11/03 14:57 |
| - | 201212 | hydrocarbon | USPAT | 2003/11/03 14:57 |
| - | 5 | catalyst with hydrocarbon with | USPAT | 2003/11/03 15:02 |
| - | 25 | ((prepolymerization prepolymerize prepolymerized) with (gas adj phase) catalyst with hydrocarbon with (gas adj phase) with monomer | USPAT | 2003/11/03 15:03 |
| - | 25176 | flue or (waste adj gas) | USPAT | 2003/11/03 15:38 |
| - | 0 | ((prepolymerization prepolymerize prepolymerized) with (flue or (waste adj gas))) | USPAT | 2003/11/03 15:08 |
| - | 153521 | exhaust | USPAT | 2003/11/03 15:08 |
| - | 1 | ((prepolymerization prepolymerize prepolymerized) with exhaust | USPAT | 2003/11/03 15:08 |
| - | 1337044 | produce producing | USPAT | 2003/11/03 15:38 |
| - | 3747 | ((produce producing) near3 monomer | USPAT | 2003/11/03 15:11 |
| - | 21 | (gas adj phase) with ((produce producing) near3 monomer) | USPAT | 2003/11/03 15:11 |
| - | 169930 | flue or (waste adj gas) exhaust | USPAT | 2003/11/03 15:38 |
| - | 922377 | produce producing produced | USOCR | 2003/11/03 15:43 |
| - | 27662 | monomer | USOCR | 2003/11/03 15:43 |
| - | 135088 | flue or (waste adj gas) exhaust | USOCR | 2003/11/03 15:43 |
| - | 109659 | catalyst | USOCR | 2003/11/03 15:43 |
| - | 447 | prepolymerization prepolymerize | USOCR | 2003/11/03 15:43 |
| - | 0 | prepolymerized | USOCR | 2003/11/03 15:39 |
| - | 68 | ((prepolymerization prepolymerize prepolymerized) with (flue or (waste adj gas) exhaust) | USOCR | 2003/11/03 15:39 |
| - | 4908 | ((prepolymerization prepolymerize prepolymerized) with catalyst | USOCR | 2003/11/03 15:39 |
| - | 17 | ((produce producing produced) with monomer | USOCR | 2003/11/03 15:39 |
| - | | ((prepolymerization prepolymerize prepolymerized) with catalyst) and | | |
| - | | ((produce producing produced) with monomer) | | |
| - | 642878 | produce producing produced | EPO; JPO | 2003/11/03 15:43 |
| - | 70618 | monomer | EPO; JPO | 2003/11/03 15:43 |
| - | 127974 | catalyst | EPO; JPO | 2003/11/03 15:43 |
| - | 437 | prepolymerization prepolymerize | EPO; JPO | 2003/11/03 15:43 |
| - | 147256 | prepolymerized | | |
| - | 0 | flue or (waste adj gas) exhaust | EPO; JPO | 2003/11/03 15:43 |
| - | | ((prepolymerization prepolymerize prepolymerized) with (flue or (waste adj gas) exhaust) | EPO; JPO | 2003/11/03 15:43 |
| - | 8955 | ((produce producing produced) with monomer | EPO; JPO | 2003/11/03 15:44 |
| - | 244 | catalyst with (prepolymerization prepolymerize prepolymerized) | EPO; JPO | 2003/11/03 15:44 |
| - | 2 | ((produce producing produced) with monomer) and (catalyst with (prepolymerization prepolymerize prepolymerized)) | EPO; JPO | 2003/11/03 15:44 |
| - | 95450 | preliminary | USPAT | 2003/11/03 15:47 |
| - | 32 | (gas adj phase) near3 preliminary | USPAT | 2003/11/03 15:47 |
| - | 62876 | olefin | USPAT | 2003/11/03 15:47 |
| - | 19 | ((gas adj phase) near3 preliminary) and olefin | USPAT | 2003/11/03 15:50 |
| - | 0 | "99100835" | EPO; DERWENT | 2003/11/03 15:50 |
| - | 0 | "99100835.0" | EPO; DERWENT | 2003/11/03 15:50 |
| - | 8 | "100835" | EPO; DERWENT | 2003/11/03 15:51 |
| - | 1 | "6245866" | DERWENT | 2003/11/03 15:54 |
| - | 1 | 2000-500114.NRAN. | DERWENT | 2003/11/03 15:51 |
| - | 1 | ("4194074").PN. | USPAT | 2003/11/03 16:06 |

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| - | 1060 | ((422/131) or (422/132) or (422/134) or (422/135)).CCLS. | USPAT | 2003/11/03 16:06 |
| - | 419 | (422/139).CCLS. | USPAT | 2003/11/03 16:07 |
| - | 18 | ((422/131) or (422/132) or (422/134) or (422/135)).CCLS.) and ((422/139).CCLS.) | USPAT | 2003/11/03 16:07 |
| - | 330060 | loop | USPAT | 2004/03/23 17:03 |
| - | 152241 | reactor reactors | USPAT | 2004/03/23 17:04 |
| - | 2283 | loop near2 (reactor reactors) | USPAT | 2004/03/23 17:04 |
| - | 855738 | liquid | USPAT | 2004/03/23 17:04 |
| - | 698065 | phase phased | USPAT | 2004/03/23 17:04 |
| - | 70758 | liquid adj (phase phased) | USPAT | 2004/03/23 17:04 |
| - | 136 | ((loop near2 (reactor reactors)) same (liquid adj (phase phased))) | USPAT | 2004/03/23 17:04 |
| - | 1172 | polyethylene | USPAT | 2004/03/23 17:04 |
| - | 1 | ((loop near2 (reactor reactors)) same (liquid adj (phase phased))) and | USPAT | 2004/03/23 17:05 |
| - | 2 | polyethylene ("4194074" "5610244").PN. | USPAT | 2004/03/23 17:05 |
| - | 65364 | olefin | USPAT | 2004/03/23 17:05 |
| - | 56 | ((loop near2 (reactor reactors)) same (liquid adj (phase phased))) and olefin | USPAT | 2004/03/23 17:05 |
| - | 38993 | fluidized | USPAT | 2004/03/23 17:05 |
| - | 12 | ((loop near2 (reactor reactors)) same (liquid adj (phase phased))) and olefin and fluidized | USPAT | 2004/03/23 17:05 |
| - | 11 | ("3514501" "3622553" "4187278" "4291132" "4309521" "4336352" "4368291" "4368304" "4740550" "5326835" "5494965").PN. | USPAT | 2004/03/23 17:07 |
| - | 5 | ("3428619" "3622553" "4309521" "4368291" "4538018").PN. | USPAT | 2004/03/23 17:09 |
| - | 13 | 5326835.URPN. | USPAT | 2004/03/23 17:09 |
| - | 2 | ("2460546" "2715117").PN. | USPAT | 2004/03/23 17:11 |
| - | 19 | 3622553.URPN. | USPAT | 2004/03/23 17:11 |